

# **EDUCATION CATALOGUE**

## **Administration & Management of Cytotoxic Agents for the Non-Oncology Patient**

### **Overview:**

This two day course provides the fundamentals of cytotoxic agent administration and the nursing management of the patient receiving cytotoxic agents.

### **Target Audience:**

Nurses administering cytotoxic agents to patients for diagnoses other than cancer.

### **Course Objectives:**

- Correlate the pathophysiology of rheumatoid arthritis, SLE, and Wegener's disease with the rationale for cytotoxic agent administration (inflammation, vasculitis, flare reactions, remissions, and immune dysregulation).
- State the mechanism of action, major side effects/toxicities, and special considerations for selected cytotoxic agents (cytoxan, fludarabine, methotrexate, paclitaxel) and gancyclovir, calcium leucovorin and cyclosporine.
- Describe the safe method of handling hazardous drugs including administration and disposal.
- Describe management strategies for selected cytotoxic agents, gancyclovir, and cyclosporine-induced side effects/toxicities.
- Demonstrate administration of cytotoxic agents by IVPB (backflow method) and ambulatory infusion pump.

**Contact Hours:** 8.4

### **Pre-requisites:**

Completion of the Care of the Patient Receiving IV Therapy and Care of the Patient with a VAD competency worksheets is required before registration.

**Course Requirements:** Successful completion of a post test before beginning the practicum.

# Administration and Management of Cytotoxic Agents

## **Overview:**

This two day course provides the fundamentals of cytotoxic agent administration and the nursing management of the patient receiving cytotoxic agents.

## **Target Audience:**

Nurses, experienced or inexperienced, who wish to develop or update their knowledge and skill in chemotherapy administration and symptom management.

## **Course Objectives:**

- State the mechanism of action, major side effects/toxicities, and special considerations for each cytotoxic agent classification.
- Describe the safe method of handling cytotoxic agents including administration, disposal, and extravasation.
- Describe management strategies for cytotoxic agent induced side effects/toxicities.

## **Contact Hours:** 16.7

**Pre-requisites:** Completion of the Care of the Patient Receiving IV Therapy and Care of the Patient with a VAD competency worksheets is required before registration.

**Course Requirements:** Successful completion of a post test before beginning the practicum.

# Advanced VAD Management

## **Overview:**

This three hour class helps prepare the course attendee to troubleshoot and prevent complications of venous access devices. Class attendees will learn how to better assess devices and implement appropriate management strategies. The class is led by nurses from the VAD team and includes: demonstration of repairs, discussion and videotape of repairs.

## **Target Audience:**

Experienced nurses (CN II/III) who wish to further develop their knowledge and skill in venous access device management.

## **Course Objectives:**

- Describe the physical characteristics of percutaneous, tunneled, and implanted catheters.
- Correlate catheter type with established procedures for flushing and dressing catheters.
- Describe the nursing assessment and management strategies for venous access device complications: infection, catheter occlusion, and broken/leaking catheters.

## **Contact Hours:** 3.6

# Basic ECG Interpretation & Management

## **Overview:**

This four session course provides an understanding of basic ECG interpretation and nursing management of dysrhythmias for patients who are undergoing on continuous cardiac monitoring.

## **Target Audience:**

Nurses, experienced or inexperienced, who wish to develop or update their skill in ECG monitoring, interpretation and management.

## **Course Objectives:**

- Correlate electrical and mechanical components of the cardiac cycle
- Utilize a step by step approach to ECG strip analysis
- Identify sinus, atrial, junctional, and ventricular rhythms and discuss the nursing implications of those rhythms.
- Identify atrio-ventricular blocks and ectopic beats, and discuss the nursing implications of them.
- Interact with the arrhythmia monitoring system to optimize patient outcomes.

**Contact Hours:** Each session 4.0

# Basic 12 Lead ECG Interpretation

## **Overview:**

This one day course focuses on basic interpretation of 12 lead ECGs to include identification of ischemia, injury, infarct, axis deviation and bundle branch blocks.

## **Target Audience:**

Staff nurses and respiratory therapists who have knowledge of basic ECG arrhythmia interpretation, who wish to advance their knowledge of electrocardiograms.

## **Course Objectives:**

- Describe the normal conduction system of the heart.
- Identify the major coronary arteries and the areas of the heart supplied by each.
- Identify the 12 leads of the ECG.
- Describe the electrical axis and causes of axis deviation.
- Identify patterns of ischemia, injury and infarction on the ECG.
- Identify right and left bundle branch blocks

**Pre-requisite:** Basic ECG Interpretation & Management, or demonstrated knowledge of basic ECG arrhythmia analysis

# Charge Nurse Workshop

## **Overview:**

This one day course focuses on understanding the role and its responsibilities, leading a team, emergency preparedness, communication, and problem solving techniques.

## **Target Audience:**

Staff nurses who have assumed or who will be assuming the charge nurse role.

## **Course Objectives:**

- Apply a problem-solving framework to a clinical situation.
- Describe the role and responsibilities of the charge nurse/nurse coordinator.
- Identify mechanisms for communication with the nurse manager and staff members.
- Apply problem-solving to patient and staffing situations.
- Differentiate between delegation, accountability and supervision.
- Apply the 5 “Rights” of delegation to patient care assignments.
- Apply the concepts of leadership, delegation, problem-solving and resource management to clinical situations.
- Discuss the role of bias in occurrence reporting.
- Discuss how the charge nurse role impacts the process of performance improvement.
- Discuss how an employee’s use of alcohol and/or other substances of abuse impact his/her job performance, attendance and conduct.
- Apply the concepts of leadership, delegation, and problem-solving and resource management to clinical situations.

**Contact Hours:** 8.4

# Code Blue Train-the-Trainer

**Overview:** This four hour workshop prepares nurses to teach and evaluate the competence of staff to respond to an emergency.

**Target Audience:** All clinical nurses who teach or evaluate the teaching of emergency response training.

## **Course Objectives:**

- Identify the knowledge and skills necessary to successfully complete Code Blue at the unit level
- Review the information in the Instructor Manual to be used as resources
- Explore methodologies to evaluate the knowledge, skills and critical thinking necessary to safely respond to an emergency situation
- Review framework for the development of unit specific mock scenarios
- Identify the method for the documentation of each nurses competence

**Contact Hours:** None

**Pre-requisite:** CPR certification

# Concepts in Cancer Care

## **Overview:**

This two day course provides an overview of the fundamentals of oncology nursing including cancer treatments (radiation therapy, surgery, and biotherapy).

Note: **If you are interested in content related to the administration and management of Cytotoxic Agents, please register for the 2 day Cytotoxic Agents course as well.**

## **Target Audience:**

Nurses with limited or no experience in care of the cancer patient population. Experienced nurses who wish to update their knowledge of cancer care.

## **Course Objectives:**

- Review the pathophysiology of the malignant process.
- Describe the process of diagnosis and staging of malignancies.
- Discuss cancer treatment modalities to include: surgery, radiation therapy, and biotherapy.
- Discuss appropriate nursing management strategies for patients receiving cancer treatment.
- Describe the pathophysiology, clinical presentation, and medical and nursing management strategies for the patient with pain, fatigue and nutritional concerns.
- Discuss interventions that nurses can implement to support individuals who are coping with the psychosocial stresses of cancer treatment and the chronic nature of the disease.

**Contact Hours:** 17.4

# KIDS KONCEPTS I

## **Basic Concepts of Pediatric Nursing: The ABC's of A & P**

## **Overview:**

This two day course reviews the anatomical and physiologic differences between the child and adult, basic assessment principles, and principles of safety while caring for the pediatric patient. This course is held in conjunction with Walter Reed Army Medical Center.

## **Target Audience:**

Registered nurses who usually care for adult patients, or novice pediatric nurses who provide care to pediatric patients as a temporary or permanent assignment.

## **Course Objectives:**

- Compare and contrast the functional anatomy and physiology of the pediatric and adult patients for the following physiologic systems:
  - Cardiovascular
  - Respiratory
  - Gastrointestinal
  - Renal
  - Neurological
- Identify the age appropriate components of a history and physical pertinent to the following physiologic systems:
  - Cardiovascular
  - Respiratory

- Gastrointestinal
- Renal
- Neurological
- Describe nursing responsibilities during a pediatric arrest or potential arrest situation.
- Discuss important pediatric concepts related to airway maintenance and ventilatory support.
- Discuss factors affecting nutrition in the child and the components of a nutritional history.
- Discuss the differences in pain assessment in pediatric patients according to various cognitive and psychosocial levels of development.
- Compare and contrast appropriate tools for pain assessment in infants and children.

**Contact Hours:** 17.2 hours

## **KIDS KONCEPTS II**

### **Keeping Pace with Pediatric Pathophysiology: Advanced Concepts of Pediatric Nursing**

#### **Overview:**

This two day course provides a comprehensive review of common pediatric disease states, and provides knowledge essential for the care of the acutely ill pediatric patient. This course is held in conjunction with Walter Reed Army Medical Center.

#### **Target Audience:**

This course is designed for nurses providing care to acutely ill pediatric patients, including but not limited to nurses who usually care for adult patients or novice pediatric nurses who provide care to pediatric patients as a temporary or permanent assignment.

#### **Course Objectives:**

- Discuss the pathophysiology and nursing care for common pediatric disorders of the following systems:
  - Cardiac
  - Respiratory
  - Endocrine
  - Hematologic/Immunologic
  - Renal
  - Gastrointestinal
  - Neuromuscular
- Identify signs of potential child abuse and neglect in the pediatric patient.
- Discuss pharmacologic and non-pharmacologic management of acute and chronic pain in the pediatric patient.

**Contact Hours:** 16.4 hours

#### **Prerequisites:**

Basic knowledge of pediatric anatomy and physiology. Previous completion of the Kids Concepts I course, equivalent, or previous experience working with pediatric patients is recommended.

# KIDS KONCEPTS III

## **Pediatric Critical Care Nursing: When Bad Things Happen to Good Kids**

### **Overview:**

This three day course provides nurses with the essential knowledge needed to provide safe care to critically ill infants and children. This course is held in conjunction with Walter Reed Army Medical Center.

### **Target Audience:**

This course is designed for critical care nurses who either consistently or intermittently care for critically ill infants and children, and who have a basic knowledge of pediatric anatomy, physiology and pathophysiology.

### **Course Objectives:**

- Compare and contrast common pathophysiologic disease states between critically ill adults and pediatric patients for the following systems:
  - Cardiac
  - Respiratory
  - Neurologic
  - Gastrointestinal
  - Renal
- Assess, plan, intervene, and evaluate a plan of care for a critically ill child.
- Discuss the management of shock states in the critically ill child.
- Discuss the principles of hemodynamic monitoring and mechanical ventilation for critically ill children.
- Demonstrate basic skills of pediatric advanced life support.

**Contact Hours:** 25.9 hours

### **Prerequisites:**

Experience in critical care nursing is strongly recommended, as is completion of Kids Concepts I & II.

## **Oncologic Emergencies**

### **Overview:**

This one day course focuses on the pathophysiology, diagnosis, and nursing and medical interventions for a variety of oncologic emergencies.

### **Targeted Audience:**

This course is designed for nurses who are caring for cancer patients.

### **Course Objectives:**

- Apply knowledge of pathophysiology, diagnosis and medical and nursing interventions to a case study situation for the following oncologic emergencies:
  - Tumor lysis syndrome
  - Malignant effusion
  - Sepsis/multi-system organ failure

- Spinal cord compression
- Superior vena cava syndrome
- Hyperglycemia
- Increased intracranial pressure
- DIC

**Contact Hours:** 8.7

## Peripheral Blood Stem Cell Transplant

**Overview:** . A basic course for anyone caring for patients undergoing peripheral stem cell transplant.

**Target Audience:** The nurse who has minimal or no experience in transplantation

### **Course Objectives:**

- Summarize the history and rationale for allogeneic PBSCT.
- State the common diseases/conditions treated with allogeneic PBSCT.
- Identify the current areas of research to improve outcomes associated with allogeneic PBSCT including Graft vs. Leukemia/Tumor and Chimerism.
- List the eligibility criteria for allogeneic PBSCT.
- Describe the following transplantation procedures including the nurse's role: preparatory regimes, donor apheresis, and infusion of stem cells.
- Associate the rationale, mechanism of action, route, side effects and special considerations with the conditioning, prophylactic and immunosuppressive agents used in allogeneic PBSCT.
- Describe measures to prevent bacterial, fungal, and viral complications in the PBSCT patient.
- Indicate the appropriate medical and nursing interventions when caring for the patient with post-transplant complications: Veno-occlusive disease and acute graft vs. host disease.
- Describe the oral and parenteral nutrition needs of the allogeneic transplant patient.
- Discuss the nutritional needs of the patient experiencing acute or chronic GVHD that affects the gut.
- Describe the engraftment and other post-discharge issues typically encountered in the PBSCT population and their management (graft failure, chronic graft vs. host disease, quality of life/survivorship).

**Contact Hours:** 8.7



# Preceptorship: Developing the Preceptor

## **Overview:**

This one-day workshop prepares a staff nurse to facilitate the orientation of employees new to the organization.

## **Target Audience:**

This workshop is designed for staff nurses who have been employed in the Nursing Department for at least one year. They must have demonstrated a strong interest in being a preceptor, as well as demonstrated clinical expertise.

## **Course Objectives:**

- Identify individual goals for participation in this workshop.
- Discuss strategies to design an individualized orientation plan for the orientee that incorporates the competency based orientation processes.
- Review the competency program and requirements.
- Describe strategies that will facilitate implementation of an individualized orientation plan.
- Summarize formative and summative evaluation methods used by the orientee and preceptor during orientation.
- Compare and contrast the design of an orientation plan for a new graduate vs. experienced nurse.

**Contact Hours:** 8.7